



Position, Position, Position

Modern underwater surveys, habitat mapping and effective monitoring require accurate positioning.

Fathom Pacific is Australia's first owner and operator of the Sonardyne Micro-Ranger 2 USBL system. Featuring the compact and self-powered Nano transponder and MRT transceiver, the system is suited to applications from coastal waters to the continental shelf.

The Micro-Ranger 2 is particularly effective in shallow water, where other USBLs suffer from a lack of tracking range. The self-powered Nano transponder is perfectly suited to tracking the growing range of small form-factor underwater vehicles, subsea installations, moorings, drifters and divers.

Services and Projects

The Micro-Ranger 2 USBL system is critical to Fathom Pacific's delivery of state-of-the-art marine ecological surveys and sampling programs. Fathom Pacific was the first organisation in Australia to deploy the system where it has been used to track ROV surveys of temperate reefs and sediments..

The system is also available for hire through Scope Engineering and the Sonardyne Asia-Pacific network.

Capability

- Transponders rated to 500 m water depth.
- Operational range to 995 m.
- Tracks up to 10 targets and can be used with other Sonardyne transponders.
- Compact and self-powered Nano transponders suited to tracking small form-factor vehicles, divers and subsea installations.
- Portable system that can be mobilised with minimal effort.
- Simple install and calibration procedures.
- Well suited to small to medium research vessels.
- Available as part of Fathom Pacific's services and available for hire to experienced users with technical support from the Sonardyne network.